

229004

SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 3/19/2007 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511

Date 4/25/07 Serial # 091838,862 Priority Application Filing Date 4/17/00

Your Name M.Mims Examiner # 73172

AU 25928 Phone 979-1828 Room 5A39

In what format would you like your results? Paper is the default.

PAPER

DISK

EMAIL

If submitting more than one search request form, please prioritize the searches in order of need.

Need before 6/30

Where have you searched so far on this case?

Circle: USPAT USPGPUB DWPI EPO Abs JPO Abs IBM TDB
Other: _____

What relevant art have you found so far? Please attach citations or Information Disclosure Statements.

What types of references would you like? Please checkmark:

Primary Refs Nonpatent Literature Teaching Refs
Secondary Refs Foreign Patents Other

If this is a "Fast & Focused Search" request, put a checkmark here:

And then please speak in-person immediately with the

EIC2800 Technical Information Specialist or with an EIC2800 Searcher.

A "Fast & Focused Search" is completed in 2 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at <http://uspto-a-pattr-2/siraapps/stic/npl/nplsearch.htm>

In your own words, what is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 1,2,4-10,13,14,95-38

51-64

DT

Problem see pages 102
solution. 11, 12, 13

6, 909, 114

Staff Use Only

Searcher: M.Mims

Type of Search

Vendors

STN _____

Searcher Phone: 25928

Structure (#) _____

Dialog _____

Searcher Location: STIC-EIC2800, JEF-4B68

Bibliographic _____

Questel-Orbit _____

Date Searcher Picked Up: 6-28-07

Litigation _____

Lexis-Nexis _____

Date Completed: 6-28-07

Fulltext _____

WWW-Internet _____

Searcher Prep/Rev Time: _____

Patent Family _____

Other _____

Online Time: _____

06/28/2007 096/832867 Lewis

=> d his full

(FILE 'HOME' ENTERED AT 14:57:09 ON 28 JUN 2007)

FILE 'REGISTRY' ENTERED AT 14:57:28 ON 28 JUN 2007

L1 149 SEA ABB=ON PLU=ON N.TA/MF
L2 456 SEA ABB=ON PLU=ON N TA/ELF
L3 281 SEA ABB=ON PLU=ON N.TI/MF
L4 3245 SEA ABB=ON PLU=ON N TI/ELF
L5 1 SEA ABB=ON PLU=ON TUNGSTEN/CN

FILE 'CAPLUS' ENTERED AT 14:58:25 ON 28 JUN 2007

L6 42168 SEA ABB=ON PLU=ON (L1 OR L2 OR L3 OR L4)
L7 97561 SEA ABB=ON PLU=ON L5
L8 5626 SEA ABB=ON PLU=ON L6 AND L7
L9 302495 SEA ABB=ON PLU=ON TFT OR THIN FILM OR ACTIVE MATRIX? OR LCD
L10 115058 SEA ABB=ON PLU=ON N(4A) (REGION OR AREA OR LAYER? OR LAMINA?
OR SEMICONDUCT? OR IMPUR? OR SECTION?)
L11 274859 SEA ABB=ON PLU=ON GATE OR SWITCH? OR BASIC(W) LOGIC? (W) ELEM?
L12 65876 SEA ABB=ON PLU=ON ACTIVE(4A) (REGION OR AREA OR LAYER? OR
LAMINA? OR SECTION? OR PORTION?)
L13 997391 SEA ABB=ON PLU=ON ?RESIN? OR EPOX? OR POLYIMID?
L14 12 SEA ABB=ON PLU=ON L8 AND L9 AND L10
D IBIB ABS HITSTR HITIND 1-12
L15 9544 SEA ABB=ON PLU=ON L6 AND TUNGSTEN
L16 20 SEA ABB=ON PLU=ON L15 AND L9 AND L10
L17 0 SEA ABB=ON PLU=ON L16 AND L13
L18 9 SEA ABB=ON PLU=ON L16 AND L11
L19 1 SEA ABB=ON PLU=ON L18 NOT L14
D IBIB ABS HITSTR HITIND
L20 26961 SEA ABB=ON PLU=ON (TIN OR TAN) AND (TUNGSTEN OR W)
L21 0 SEA ABB=ON PLU=ON L20 AND L9 AND L10 AND L11 AND L13
L22 3 SEA ABB=ON PLU=ON L20 AND L9 AND L10 AND L13
L23 3 SEA ABB=ON PLU=ON L22 NOT (L14 OR L18 OR L19)
D IBIB ABS HITSTR HITIND 1-3
L24 7 SEA ABB=ON PLU=ON L16 NOT (L14 OR L18 OR L19 OR L23)
D IBIB ABS HITSTR HITIND 1-7

FILE 'REGISTRY' ENTERED AT 15:15:43 ON 28 JUN 2007

L25 51852 SEA ABB=ON PLU=ON EPOXY RESIN/PCT
L26 57994 SEA ABB=ON PLU=ON POLYIMIDE/PCT

FILE 'CAPLUS' ENTERED AT 15:21:09 ON 28 JUN 2007

L27 115710 SEA ABB=ON PLU=ON L25 OR L26
L28 9 SEA ABB=ON PLU=ON L6 AND L7 AND L27
L29 1 SEA ABB=ON PLU=ON L28 AND L9
D IBIB ABS HITSTR HITIND
L30 30380 SEA ABB=ON PLU=ON L8 OR L15 OR L20
L31 0 SEA ABB=ON PLU=ON L30 AND L10 AND L11 AND L12 AND L13
L32 3 SEA ABB=ON PLU=ON L30 AND L10 AND L11 AND L12
L33 2 SEA ABB=ON PLU=ON L32 NOT (L14 OR L18 OR L19 OR L23 OR L24)
D IBIB ABS HITSTR HITIND 1-2

FILE 'WPIX' ENTERED AT 15:28:04 ON 28 JUN 2007

L34 234209 SEA ABB=ON PLU=ON TFT OR THIN FILM OR ACTIVE MATRIX? OR LCD
L35 54132 SEA ABB=ON PLU=ON N(4A) (REGION OR AREA OR LAYER? OR LAMINA?
OR SEMICONDUCT? OR IMPUR? OR SECTION?)

06/28/2007 096/832867 Lewis

L36 1116615 SEA ABB=ON PLU=ON GATE OR SWITCH? OR BASIC (W) LOGIC? (W) ELEM?
L37 56647 SEA ABB=ON PLU=ON ACTIVE (4A) (REGION OR AREA OR LAYER? OR
LAMINA? OR SECTION? OR PORTION?)
L38 935891 SEA ABB=ON PLU=ON ?RESIN? OR EPOX? OR POLYIMID?
L39 11458 SEA ABB=ON PLU=ON (TIN OR TAN OR (TI OR TA) (W) (N OR NITRIDE))
AND (W OR TUNGSTEN)
L40 1 SEA ABB=ON PLU=ON L34 AND L35 AND L36 AND L37 AND L38 AND
L39
D IFULL

FILE 'WPIX' ENTERED AT 15:41:18 ON 28 JUN 2007
L41 2 SEA ABB=ON PLU=ON L35 AND L36 AND L37 AND L38 AND L39
L42 1 SEA ABB=ON PLU=ON L41 NOT L40
D IFULL
L43 5 SEA ABB=ON PLU=ON L35 AND L36 AND L38 AND L39
L44 3 SEA ABB=ON PLU=ON L43 NOT L41
D IALL 1-3

FILE 'DPCI' ENTERED AT 15:45:56 ON 28 JUN 2007
L45 1 SEA ABB=ON PLU=ON US6909114/PN
SEL PN.D PN.G

FILE 'WPIX' ENTERED AT 15:46:56 ON 28 JUN 2007
L46 84 SEA ABB=ON PLU=ON (US7161177/PN OR US7164171/PN OR US7169710/
PN OR JP10104659/PN OR JP10233511/PN OR JP9191111/PN OR
US4394182/PN OR US5528397/PN OR US5583369/PN OR US5705424/PN
OR US5736750/PN OR US5830787/PN OR US7169656/PN OR US7223643/PN
OR EP588370/PN OR EP589478/PN OR EP738012/PN OR GB2393576/PN
OR JP10065181/PN OR JP10092576/PN OR JP10135468/PN OR JP1013546
9/PN OR JP10294280/PN OR JP11191628/PN OR JP11345767/PN OR
JP11354442/PN OR JP4258160/PN OR JP4369271/PN OR JP5102483/PN
OR JP60127761/PN OR JP6148685/PN OR JP7130652/PN OR JP7235680/P
N OR JP8078329/PN OR JP8264784/PN OR JP8274336/PN OR JP9293600/
PN OR US2002134983/PN OR US4851363/PN OR US5217910/PN OR
US5247190/PN OR US5323042/PN OR US5399502/PN OR US5401982/PN
OR US5413945/PN OR US5508209/PN OR US5532176/PN OR US5594569/PN
OR US5643826/PN OR US5686328/PN OR US5764206/PN OR US5923962/P
N OR US5949107/PN OR US5962872/PN OR US6001714/PN OR US6030667/
PN OR US6114715/PN OR US6133074/PN OR US6198133/PN OR US6222238
/PN OR US6281552/PN OR US7115447/PN OR WO2003049227/PN OR
WO9013148/PN OR EP1005094/PN OR GB2354882/PN OR GB2396743/PN
OR JP10247735/PN OR JP3250632/PN OR JP9116167/PN OR US200313898
5/PN OR US2004051142/PN OR US3933529/PN OR US5254490/PN OR
US5358879/PN OR US5693959/PN OR US5719588/PN OR US5742363/PN
OR US5912492/PN OR US5965919/PN OR US6008869/PN OR US6049092/PN
OR US6087679/PN OR US6140667/PN OR US6165824/PN OR US6166396/P
N OR US6166414/PN OR US6180957/PN OR US6274887/PN OR US6285042/
PN OR US6307214/PN OR US6335541/PN OR US6348368/PN OR US6365933
/PN OR US6479333/PN OR US6507069/PN OR US6515338/PN OR
US6541294/PN OR US6590230/PN OR US6617644/PN OR US6646287/PN
OR US6646287/PN OR US6664145/PN OR US6759678/PN OR US6773971/PN
OR US6867431/PN OR US6900460/PN OR US6979603/PN OR US6992328/P
N OR US7008828/PN OR US70
L47 0 SEA ABB=ON PLU=ON L46 AND L34 AND L35 AND L39
L48 0 SEA ABB=ON PLU=ON L46 AND L39
L49 11 SEA ABB=ON PLU=ON L46 AND L35 AND L36
L50 11 SEA ABB=ON PLU=ON L49 NOT (L41 OR L43)
D IALL 1-11

06/28/2007 096/832867 Lewis

FILE 'INSPEC, COMPENDEX' ENTERED AT 15:58:01 ON 28 JUN 2007

L51 21404 SEA ABB=ON PLU=ON (TIN OR TAN)/ET
L52 123331 SEA ABB=ON PLU=ON W/ET
L53 1053 SEA ABB=ON PLU=ON L51 AND L52
L54 499285 SEA ABB=ON PLU=ON L9
L55 67877 SEA ABB=ON PLU=ON L10
L56 646683 SEA ABB=ON PLU=ON L11
L57 54877 SEA ABB=ON PLU=ON L12
L58 166470 SEA ABB=ON PLU=ON L13
L59 5590 SEA ABB=ON PLU=ON L39
L60 5736 SEA ABB=ON PLU=ON L53 OR L59
L61 1137 SEA ABB=ON PLU=ON L54 AND L60
L62 26 SEA ABB=ON PLU=ON L55 AND L61
L63 0 SEA ABB=ON PLU=ON L58 AND L62
L64 5 SEA ABB=ON PLU=ON L56 AND L62
L65 4 DUP REM L64 (1 DUPLICATE REMOVED)
D IALL 1-4
L66 21 SEA ABB=ON PLU=ON L62 NOT L64
L67 10 SEA ABB=ON PLU=ON L66 AND PY>=2000
L68 11 SEA ABB=ON PLU=ON L66 NOT L67
L69 11 SEA ABB=ON PLU=ON L68 NOT L64
L70 9 DUP REM L69 (2 DUPLICATES REMOVED)
D IALL 1-9

FILE 'JAPIO, KOREAPAT' ENTERED AT 16:13:17 ON 28 JUN 2007

L71 168196 SEA ABB=ON PLU=ON L9
L72 73986 SEA ABB=ON PLU=ON L10
L73 829548 SEA ABB=ON PLU=ON L11
L74 41084 SEA ABB=ON PLU=ON L12
L75 668487 SEA ABB=ON PLU=ON L13
L76 2219 SEA ABB=ON PLU=ON L39
L77 7 SEA ABB=ON PLU=ON L71 AND L72 AND L76
L78 7 DUP REM L77 (0 DUPLICATES REMOVED)
L79 0 SEA ABB=ON PLU=ON L78 AND PY>=2000
D L78 IALL 1-7